

Name: _____ TP: _____

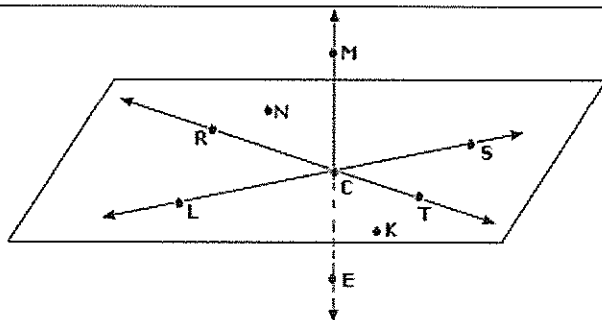
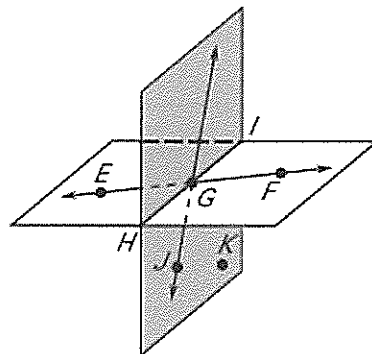
Failure to show work and write in complete sentences will result in a LaSalle.

Form A

<p>1. Define "collinear" and <i>sketch an example</i> of collinear points.</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>2. Define "coplanar" and <i>sketch an example</i> of coplanar points.</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>3. What is the different between a line and something that's collinear?</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>4. What is the different between a plane and something that's coplanar?</p> <p>_____</p> <p>_____</p> <p>_____</p>

5. Use the diagram to decide whether the given statement is *true* or *false*.

- a. Points E, G, and F are collinear. _____
- b. Points E, G, and F are coplanar. _____
- c. Points H, I, and G are collinear. _____
- d. Points H, I, and J are coplanar. _____

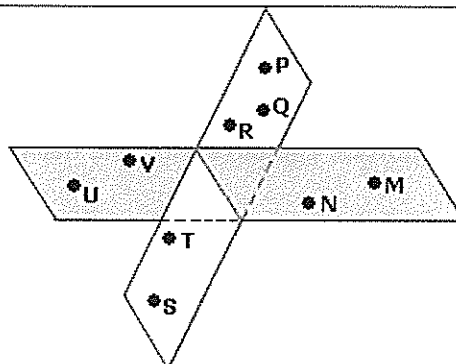


6. Name each of the three lines above three different ways.

Line 1: ME MC _____

Line 2: _____ _____ _____

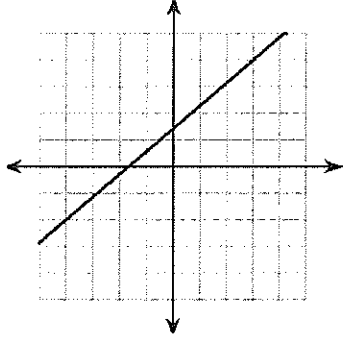
Line 3: _____ _____ _____



7. Name at least 3 sets of 3 points in the figure above that are coplanar.

- A. U N M
- B. _____ _____ _____
- C. _____ _____ _____

8a) Determine the slope of the line below: _____



b) What is the y-intercept? _____

10)

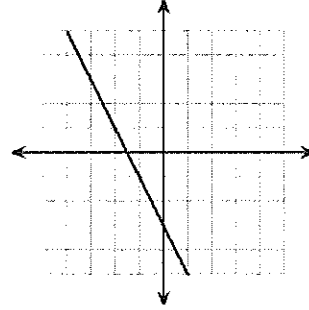
Find MF if EF equals 30.



$$7x - 6 + 5x = 30$$

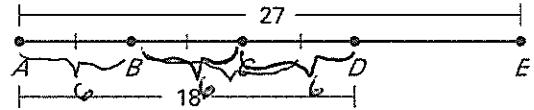
$$12x - 6 = 30$$

9a) Determine the slope of the line below: _____



b) What is the y-intercept? _____

11) Find the indicated length.



a. DE

b. $AB = 6$

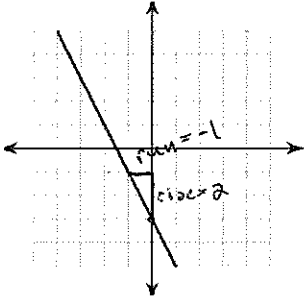
c. AC

d. $BD = 12$

e. CE

f. BE

13) **Error Analysis.** Mr. B looked at the graph below and stated that the slope was $-\frac{1}{2}$. *Explain* what mistake he made and *correct* him by providing the accurate slope of the line.



14) **Explain.** In 2 sentences, explain which line has the steepest slope by analyzing the equations of the lines below.

Line a: $y = 2x - 4$

Line b: $y = \frac{1}{3}x + 2$